

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A wireless communication system, comprising:
at least one radio at a location remote from a backplane; and
at least one communication link coupling said at least one radio to the backplane, wherein
the communication link carries signals between the backplane and said at least one radio at the
location remote from the backplane.
2. (Original) The system of claim 1, wherein said at least one communication link is a fiber
link connecting said at least one radio to the backplane.
3. (Original) The system of claim 1, comprising at least one backplane card attached to the
backplane, wherein the communication link is connected to the backplane card.
4. (Original) The system of claim 3, wherein the backplane card is coupled with a radio
card slot in the backplane.
5. (Original) The system of claim 1, comprising at least one radio card connected to said at
least one radio, wherein the communication link is connected to the radio card.
6. (Original) The system of claim 5, comprising at least one backplane card attached to the
backplane, wherein the communication link is connected to the backplane card and the radio
card.
7. (Original) The system of claim 6, wherein said at least one radio card comprises a
plurality of radio cards, and wherein the backplane card is connected to said plurality of radio
cards.

8. (Original) The system of claim 6, wherein said at least one card comprises a plurality of radio cards and wherein said at least one backplane card comprises a plurality of backplane cards attached to the backplane, wherein each backplane card is connected to at least one of said plurality of radio cards via said at least one communication link.
9. (Previously Presented) The system of claim 6, comprising at least one non-remote radio, wherein said at least one non-remote radio is plugged into a first radio card slot in the backplane and said at least one backplane card plugged into a second radio card slot in the backplane and connected to said at least one radio card via said at least one communication link.
10. (Original) A connection apparatus for a wireless communication system, comprising:
 - a backplane fiber card having a backplane connector;
 - a radio fiber card having a radio connector; and
 - at least one fiber link connecting the backplane fiber card and the radio fiber card.
11. (Original) The connection apparatus of claim 10, wherein the backplane connector and the radio connector each have a standard configuration for connection to a backplane and a radio, respectively.
12. (Original) The connection apparatus of claim 10, wherein the backplane fiber card and the radio fiber card each comprise at least one optical transceiver connected to said at least one fiber link.
13. (Original) The connection apparatus of claim 10, wherein the backplane fiber card comprises a plurality of fiber links, each fiber link connected to one radio fiber card.

14. (Previously Presented) A method of transmitting a signal between a backplane and a remote radio, comprising:

intercepting the signal in a backplane card connected to the backplane; and

transmitting the signal to the remote radio through a communication link connected to the backplane card.

15. (Original) The method of claim 14, comprising intercepting the signal from the backplane card in a radio card attached to the remote radio.

16. (Original) The method of claim 14, comprising:

transmitting a second signal from the backplane to a non-remote radio connected to the backplane, wherein the remote radio and the non-remote radio are in communication with the backplane.

17. (Original) The method of claim 14, comprising:

intercepting a second signal in the backplane card;

transmitting a second signal from the backplane to a second remote radio through a second communication link connected to the backplane card.

18. (Original) The method of claim 14, wherein the intercepting and transmitting steps are conducted to a plurality of remote radios.

19. (Previously Presented) The method of claim 14, wherein the signal transmitted to the remote radio comprises a radio frequency communication signal.

20. (Previously Presented) The system of claim 1, wherein the radio communicates using radio frequency signals.

21. (New) A base station, comprising:
 - a digital signal processing portion;
 - a backplane associated with the digital signal processing portion;
 - a radio for communicating with at least one mobile station using radio frequency communication signals, the radio is located remotely from the backplane and the digital signal processing portion; and
 - at least one fiber link coupling the radio to the backplane for communicating signals between the digital signal processing portion and the radio.
22. (New) The base station of claim 21, comprising
 - a radio card slot in the backplane;
 - a fiber backplane card received in the radio card slot and coupled to the at least one fiber link.
23. (New) The base station of claim 21, wherein the digital signal processing portion is at a first location and comprising at least one other radio having a radio card received by a radio card slot in the backplane such that the at least one other radio is at the first location.